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FILE COVERS 1907 - 31 May 2007 VOL 146 ISS 24 FILE LAST UPDATED: 31 May 2007 (20070531/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s azithromycin and (citric or citrate)

3422 AZITHROMYCIN

87718 CITRIC

87914 CITRATE

L1 98 AZITHROMYCIN AND (CITRIC OR CITRATE)

=> s l1 and (salt or salts)

794096 SALT

613846 SALTS

L2 37 L1 AND (SALT OR SALTS)

=> s 12 and ph

1298434 PH

L3 10 L2 AND PH

=> d 13 1-10

L3 ANSWER 1 OF 10 CA COPYRIGHT 2007 ACS on STN

AN 146:128212 CA

TI Study on the selection of appropriate salt forming agents for azithromycin for injection

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ΑU
     He, Qiying; Lu, Wanliang; Zhang, Qiang
     Department of Scientific Research, Guangdong Shunfeng Pharmaceutical Co.,
CS
     Ltd., Shunde, 528300, Peop. Rep. China
     Zhongguo Kangshengsu Zazhi (2005), 30(4), 204-207
SO
     CODEN: ZKZAEY; ISSN: 1001-8689
PΒ
     Zhongguo Kangshengsu Zazhishe
DT
     Journal
LA
     Chinese
L3
     ANSWER 2 OF 10 CA COPYRIGHT 2007 ACS on STN
AN
     145:363523 CA
TI
     Multi-particulate, modified-release composition
IN
     Patel, Ashish Anilbhai; Palaniswamy, Suresh; Davila, Pablo
PA
SO
     U.S. Pat. Appl. Publ., 10pp.
     CODEN: USXXCO
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AN
     142:435862 CA
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IN
     Suzuki, Hidekazu
PA
     Wakamoto Pharmaceutical Co., Ltd., Japan
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AN
     142:43786 CA
     Addition salts of azithromycin and citric
     acid and process for preparing them
IN
     Cosme, Gomez Antonio; Palomo Nicolau, Francisco Eugenio
     Quimica Sintetica, S.A., Spain
PA
     PCT Int. Appl., 33 pp.
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AN
     141:337695 CA
    Ophthalmic gel of azithromycin
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IN
    Wu, Wenyao; Wang, Ling
    Peop. Rep. China
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    Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
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AN
    136:252482 CA
    Preparation of aqueous clear solution dosage forms with bile acids
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    Yoo, Seo Hong
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    U.S. Pat. Appl. Publ., 35 pp., Cont.-in-part of U.S. 6,251,428.
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PRAI US 1998-94069P P 19980724
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L3
      136:139859 CA
AN
      Manufacturing clear liquid pharmaceutical composition of
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IN
      Khamar, Bakulesh Mafatlal; Gumudavelli, Sridhar Krishnamurthy
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      135:157683 CA
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      Preparation of aqueous clear solution dosage forms with bile acids
      Yoo, Seo Hong
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PA
      USA
      PCT Int. Appl., 82 pp.
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IN 2002DN00873 A 20050121

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L3
     135:121657 CA
AN
TI
     Composition for intestinal delivery
IN
     Vandenberg, Grant William
PA
     Aqua Solution Inc., Can.
SO
     PCT Int. Appl., 62 pp.
     CODEN: PIXXD2
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AN
     134:168310 CA
TI
     Azithromycin polybasic acid sodium salt
     He, Guangwei; Li, Jiaming; Zong, Guojun; Fan, Tianbei; Zhao, Shiguo
TN
PA
     Peop. Rep. China
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     Faming Zhuanli Shenqing Gongkai Shuomingshu, 12 pp.
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PI CN 1259520 A 20000712 CN 1998-124980 19981127 CN 1096468 B 20021218 PRAI CN 1998-124980 19981127

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- . L3 ANSWER 1 OF 10 CA COPYRIGHT 2007 ACS on STN
 - AN 146:128212 CA
 - AB The appropriate salt was used for azithromycin for injection. Eight different kinds of acid react to azithromycin to obtain corresponding azithromycin salt solns. and freeze-dried products for injection. The pH, initial stability and hepatic toxicity test in animals were performed. The solns. of glutamic acid, lactic acid, tartaric acid, and aspartic acid with azithromycin were stable and its pH was in proper range. The pathol. studies revealed that the favorable salts were glutamate, citrate, aspartate, sulfate and hydrochloride, followed by dihydrogen phosphate, lactobionate and tartrate. Glutamic acid and aspartic acid are the appropriate acid for the preparation for azithromycin for injection.
- L3 ANSWER 2 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 145:363523 CA
- AB A multi-particulate, modified-release pharmaceutical composition for the oral administration of an active ingredient to the colon, wherein said particles comprise: (a) a core comprising an active ingredient or a pharmaceutically acceptable salt or ester thereof, and optionally one or more excipients; (b) a first coating applied to the surface of the core, wherein said first coating is insol. in gastric juice and in intestinal juice below pH 7, but soluble in colonic intestinal juice; and (c) a second coating applied to the surface of the first coating. Core tablets containing mesalamine 400, microcryst. cellulose 50, lactose 28.0, copolyvidone 20.0, acetyl tri-Bu citrate 2.0 were coated with a composition containing methacrylic acid 35.0, 1.7% NH3 solution
 - 17.8, tri-Et citrate 24.5, and Lomicron talc 16.6 mg to obtain modified-release tablets.
- L3 ANSWER 3 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 142:435862 CA
- AB A water-based composition undergoing reversible thermogelation comprises a conventional water-based composition undergoing reversible thermogelation and added thereto at least one substance enhancing thixotropic properties, preferably at least one of sugar alcs., lactose, carmellose or a pharmaceutically acceptable salt thereof, and cyclodextrin. This composition can be stored at room temperature and is convenient for

carrying.

For example, an artificial tear was prepared containing Me cellulose, polyethylene glycol (Macrogol 4000), D-mannitol, Na citrate.

aminoethylsulfonic acid, HCl (to pH 7.4), and distilled water.

- L3 ANSWER 4 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 142:43786 CA
- AB Said addition salts have a molar ratio between azithromycin and citric acid such as to provide a pH comprised between 4.0 and 8.0 in a 10 % aqueous solution. The process for preparing said salts comprises: a) dissolving azithromycin in a solvent or mixture of solvents; b) adding citric acid; and c) isolating the product obtained by crystallization. The addition salts of azithromycin and citric acid are stable and soluble in aqueous medium, being useful antibacterial and antiprotozoan agents.

L3 ANSWER 5 OF 10 CA COPYRIGHT 2007 ACS on STN

AN 141:337695 CA

The ophthalmic gel is composed of 0.05-1% azithromycin or its medical salt, soluble macromol. polymer, pH regulator, antiseptic, iso-osmotic agent, antioxidant, surfactant, etc. The azithromycin medical salt is the one of HCl, sulfate, lactobionate, maleate, aspartate, citrate, malate, etc. The soluble macromol. polymer is carbopol, cellulose derivative, polyvinyl alc., etc.

L3 ANSWER 6 OF 10 CA. COPYRIGHT 2007 ACS on STN

AN 136:252482 CA

AB Compns. for pharmaceutical and other uses comprise clear aqueous solns. of bile acids which do not form any detectable ppts. over selected ranges of pH values of the aqueous solution The compns. comprise (i) water, (ii) a bile acid component in the form of a bile acid, bile acid salt, or a bile acid conjugated with an amine by an amide linkage; and (iii) either or both an aqueous soluble starch conversion product and an aqueous soluble

non-starch polysaccharide. The composition remains in solution without forming a

precipitate over a range of pH values and, according to one embodiment, remains in solution for all pH values obtainable in an aqueous system. The composition may further contain a pharmaceutical compound, such as insulin, heparin, bismuth compds., amantadine and rimantadine. For example, solution dosage forms that did not show any precipitation at any pH were prepared containing ursodeoxycholic acid (UDCA) 22 g, 1N NaOH 75 mL, chenodeoxycholic acid (CDCA) 3 g, maltodextrin 875 g, bismuth citrate 4 g, citric acid or lactic acid as needed, and purified water to make 1 L.

- L3 ANSWER 7 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 136:139859 CA

AB Azithromycin is a macrolide antibiotic used for treating infections. This is available in a solid oral dosage form. It is desirable to have a clear liquid formulation also for treating severe infections by i.v. administration of the drug. Currently, it is not possible to manufacture liquid preparation which is ready to use. As it is not soluble

in water or other known solvents, for this purpose, it is being marketed as lyophilized preparation which is reconstituted prior to use. According to present invention, it is found that it is soluble in water at pH 5.0. The change in pH can be obtained by adding citric

acid in a desired concentration However, this solution is not stable, and ppts. are

seen over the time. According to the present invention, this solution is stabilized by addition of sodium salts like sodium hydroxide, thereby changing its pH from 5.0 to 7.0. The solution so prepared remains clear and is stable for a longer period.

- L3 ANSWER 8 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 135:157683 CA

AB Compns. for pharmaceutical and other uses comprising clear aqueous solns. of bile acids which do not form any detectable ppts. over selected ranges of pH values of the aqueous solution and methods of making such solns. The compns. of the invention comprise water; a bile acid in the form of a bile acid, bile acid salt, or a bile acid conjugated with an amine by an amide linkage; and either or both an aqueous soluble starch conversion product

and a aqueous soluble non-starch polysaccharide. The composition remains in solution

without forming a precipitate over a range of pH values and, according to one embodiment, remains in solution for all pH values obtainable in an aqueous system. The composition, according to some embodiments, may further

contain a pharmaceutical compound in a pharmaceutically effective amount Non-limiting examples of pharmaceutical compds. include insulin, heparin, bismuth compds., amantadine and rimantadine. A syrup composition contained ursodeoxycholic acid 20 g, 1N NaOH 60 mL, corn syrup solid 1050 g, Bi citrate 4g, citric acid or lactic acid q.s. and purified water to 1L.

- L3 ANSWER 9 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 135:121657 CA
- AB The present invention relates to a new composition, use and method for oral administration to a human or an animal of a physiol. active agent comprising neutralizing agents to increase pH in the digestive system to prevent denaturation, inhibitors of digestive enzymes to substantially prevent enzymic digestion, and at least uptake-increasing agents which increases intestinal absorption of a physiol. active agent, a drug and/or a nutrient.
- L3 ANSWER 10 OF 10 CA COPYRIGHT 2007 ACS on STN
- AN 134:168310 CA
- AB Azithromycin polybasic acid Na salt is azithromycin salt of dihydrogen citrate, hydrogen citrate, hydrogen citrate, hydrogen succinate, hydrogen fumarate, hydrogen oxalate, hydrogen maleate, sulfate, or sulfite, the pH of its solution is 6.0-7.5, and they are prepared by treatment of azithromycin with polybasic acid Na salt. The tablet, capsule, granule, injection, infusion, and syrup of the azithromycin polybasic acid Na salt are prepared

WEST Refine Search Page 1 of 1

Refine Search

Search Results -

Terms	Documents	
azithromycin near5 citric	12	

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

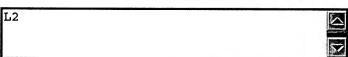
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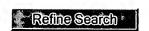
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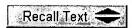
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Search:











Search History

Set Name side by side		Hit Count	Set Name result set
DB=PGPB,	USPT, USOC, EPAB, JPAB, DWPI,	TDBD; PLUR=YES; OP=OR	
<u>L2</u>	azithromycin near5 citric	12	<u>L2</u>
<u>L1</u>	azithromycin near10 citric	16	<u>L1</u>

END OF SEARCH HISTORY

http://jupiter2:9000/bin/cgi-bin/PreSearch.pl